

# ***PUBLIC TRANSPORTATION MANAGEMENT SYSTEM***

## **TRANSPORTATION ASSET MANAGEMENT**

### ***Public Transportation Management System***

As one of six components of the Transportation Management System (TMS), the Public Transportation Management System (PTMS) was developed to replace the annual paper application process used by transit agencies. It is also used to establish vehicle, equipment and facility inventories that can be accessed by interested parties. Performance indicators and asset replacement forecasts are also top priorities for PTMS.

### ***What is Included in PTMS?***

A transit agency is any entity providing open door public transportation with the assistance of state and/or federal funding. PTMS includes a comprehensive list of Michigan transit agencies, including specific information such as contact people, mailing and e-mail addresses, phone number and services provided. PTMS also includes a statewide vehicle inventory used for forecasting needs, and a financial database used for both budgeting and obtaining state funds.

The Annual Application module contains capital items requested by transit agencies (during their yearly application process) as well as their operating request (budget). The Vehicle Inventory module contains pertinent data about the vehicles owned by an agency. The Equipment and Facility Inventory modules are currently not in use, but they will contain related data about an agency's equipment (valued at over \$5,000) and any facilities it owns or leases. The Operating Assistance Report mod-

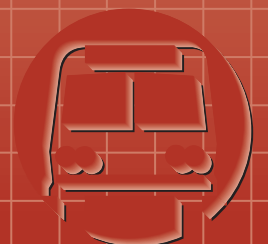
ule contains budgeted, quarterly, annual (reconciled) and audited financial data as reported by the transit agencies. Reporting of this data is required for agencies to receive state and federal funds.

### ***How Do We Get All This Data?***

With nearly 100 transit agencies statewide, PTMS is unique in that it is used more by our partners than by the Michigan Department of Transportation (MDOT). Transit agencies currently use their own connection to the Internet and some locally-installed software to access PTMS. After accessing the application, agencies enter and/or edit application, vehicle and financial information. Because of its extensive user base, PTMS has elaborate security to ensure data entered by a transit agency is protected and can only be modified by that same transit agency. The majority of data in PTMS are currently being entered by transit agency staff. Data still entered by MDOT staff includes financial information for agencies not yet able to access the application, and some new vehicle information, such as state plate number that is available only to MDOT staff.



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### ***Who is Responsible for PTMS?***

The predominate responsibility for PTMS resides with transit professionals of MDOT's Passenger Transportation Division of the Bureau of Urban & Public Transportation. However, the unique nature of this asset management process means that Michigan transit agencies are also responsible for their own parts of the system.

### ***Who are PTMS Customers?***

Customers for PTMS are MDOT and other state and federal stakeholders, as well as the transit agencies themselves. Work thus far has centered on gathering asset information to enable better management of those assets in the future. Use of the inventory data for projection of needs will be phased in over the next several years.

Putting all this information into PTMS has made it available to any interested party. This information is, or will be, useful to various MDOT personnel, including those in UPTRAN and our Transportation Service Centers. It is also useful for our transit agencies and metropolitan planning organization partners. PTMS will continue to evolve to better meet the needs of these entities.

### ***Monitoring & Reporting***

PTMS includes a Report Module with user-friendly displays of much of the information included in the application. Both financial and vehicle inventory reports are available in the module. A Performance Measure report will be available with re-implementation of established standards. Standards were available in the PTMS, but recent streamlining of the PTMS portion of the TMS database requires work on the standards. Currently, all reports in the

Report Module are available for a specific transit agency, peer group of transit agencies or statewide.

### ***What's Next?***

Transit agencies have been willing partners in supplying the information needed. They are intrigued by the ability to change information online, and have so much information available to them. The process of continuing improvement of PTMS will continue through the next several years.



*Mobility needs are met through a variety of transit services.*



***For Further Information -***

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